

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani and Christine VanVleck

DATE: December 12, 2003

RE: Mental Health and AHS Utilization Rates

This week's PIP report provides age specific information on the utilization of DDMHS mental health programs. This information was recommended for annual reporting by the PIP Advisory Group (<http://www.state.vt.us/dmh/Data/PIPs/pipPerfIndRecs.pdf>). Information on age specific utilization of AHS direct service programs is provided for purposes of comparison, as is information on overall utilization rates for each mental health service area. The data used in this analysis were obtained from the DDMHS Monthly Service Report database and from AHS direct service programs. Because AHS departments do not share unique person identifiers, Probabilistic Population Estimation was used to provide unduplicated counts of the number of people served.

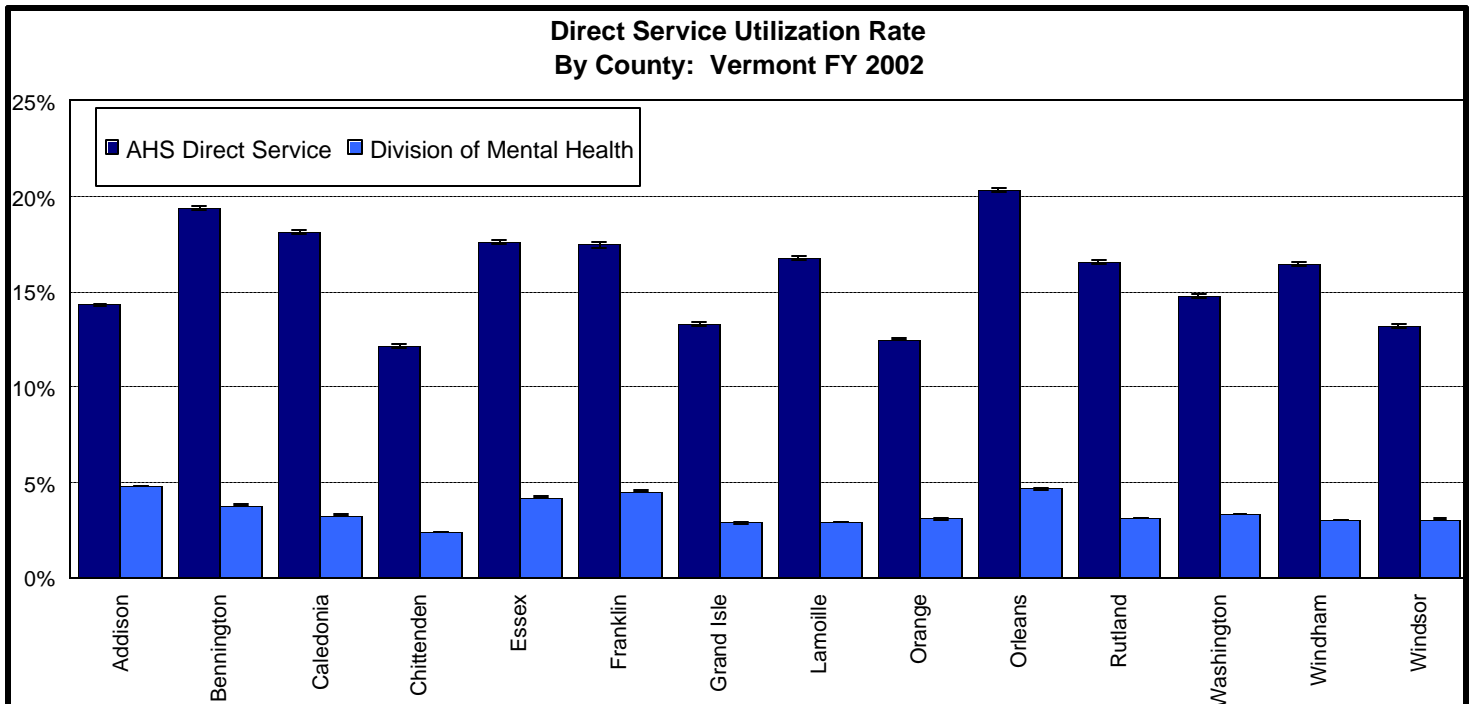
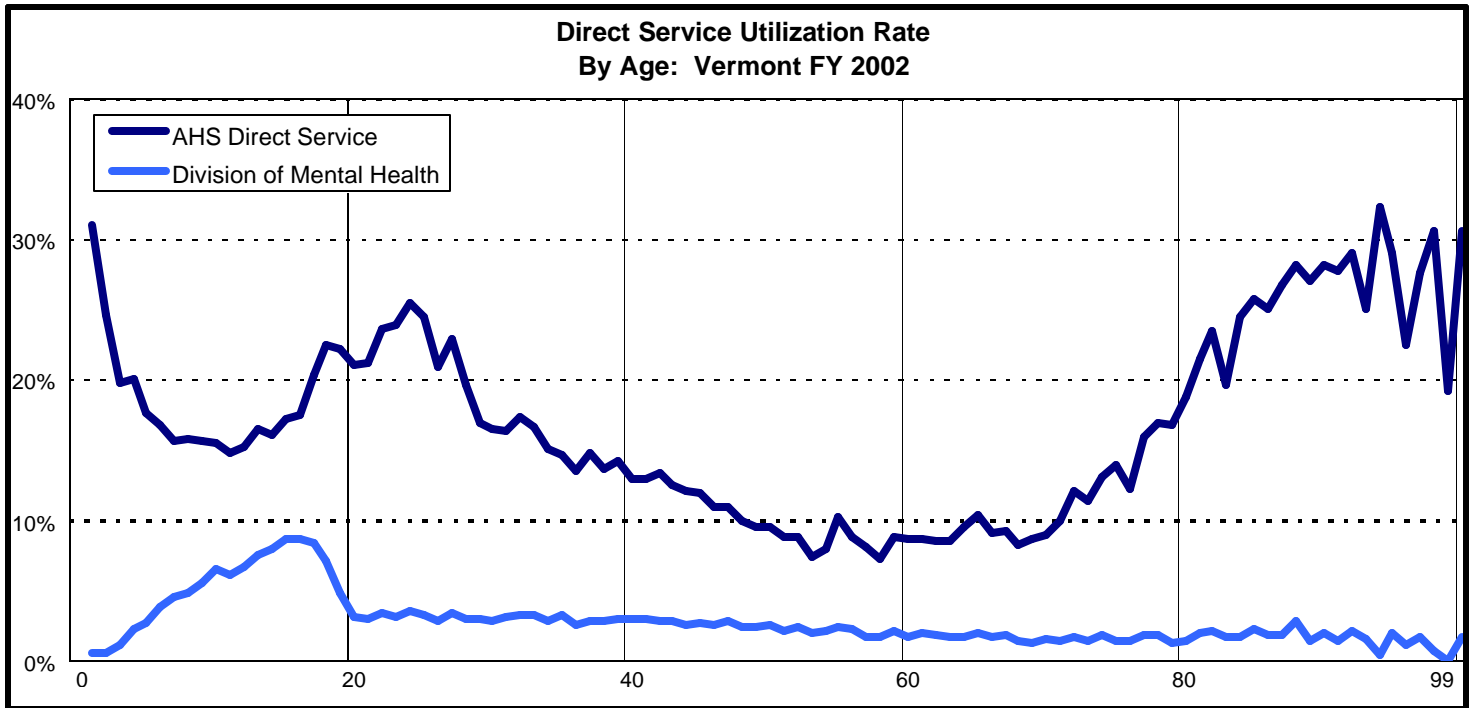
As you will see, overall AHS direct service utilization rates during FY2002 were highest for the youngest and the oldest residents of the state. More than 30% of children less than one year of age and 25% of one-year-olds received at least one direct service from AHS during FY2002. This utilization rate decreased to 15% for ten and eleven-year-olds, increased to 26% for twenty three year olds, and then decreased to 10% or less for ages 47 through 70. After 70 years of age, participation in AHS direct service programs frequently exceeded 25%.

The DDMHS mental health caseload followed a very different pattern, increasing steadily from less than 1% for children under two, to almost 10% of young people who were 14 or 15 years old. The DDMHS utilization rate then decreased precipitously to 3% among 19 year olds and remained at or below that level for older Vermonters.

County level utilization rates for AHS direct service programs varied from 12% in Chittenden County to 20% in Orleans County. County level utilization rates for DDMHS mental health programs varied from 2% in Chittenden County to 5% in Addison, Franklin and Orleans Counties.

We look forward to your questions, comments, and suggestions for further analysis of these data. As always, you can reach us at pip@ddmhs.state.vt.us or 802-241-2638.

DDMHS and AHS Direct Service Caseload Size Vermont FY 2002



"Direct Service" counts include all Vermont residents served by the Department of Prevention, Assistance, Transition, and Health Access' Reach Up, the Department of Health's Healthy Baby Program, 1 to 5 Program, Refugee Program, Children with Special Health Needs, and Ladies First Program, the Department of Corrections, the Department of Developmental and Mental Health Services, the Department of Aging and Disabilities, Social and Rehabilitation Services' Adoption Subsidy, Custody Clients, Delinquents on Probation, Parents of Child Abuse/Neglect victims and non-custody victims, Intensive Family Based Services, and Alcohol and Drug Abuse Programs. Because data sets used in this analysis do not share unique person identifiers, Probabilistic Population Estimation was used to measure caseload size (with 95% confidence intervals). Population figures are based on the U.S. Census.

DDMHS and AHS Direct Service Caseload Size, Vermont FY 2002

Age	Total Population	% Served By		Age	Total Population	% Served By	
		AHS	MH			AHS	MH
0	6,381	31%	1%	50	9,406	9%	2%
1	6,767	25%	1%	51	9,236	9%	2%
2	6,659	20%	1%	52	9,289	7%	2%
3	6,973	20%	2%	53	8,958	8%	2%
4	7,209	18%	3%	54	6,836	10%	2%
5	7,720	17%	4%	55	7,062	9%	2%
6	7,926	16%	5%	56	6,910	8%	2%
7	8,108	16%	5%	57	7,067	7%	2%
8	8,445	16%	6%	58	5,904	9%	2%
9	8,902	16%	7%	59	5,660	9%	2%
10	9,079	15%	6%	60	5,268	9%	2%
11	9,060	15%	7%	61	4,944	8%	2%
12	9,117	16%	8%	62	4,970	9%	2%
13	9,071	16%	8%	63	4,587	10%	2%
14	9,070	17%	9%	64	4,548	10%	2%
15	9,075	17%	9%	65	4,480	9%	2%
16	9,010	20%	8%	66	4,042	9%	2%
17	8,951	23%	7%	67	4,177	8%	1%
18	9,034	22%	5%	68	4,192	9%	1%
19	9,700	21%	3%	69	4,235	9%	2%
20	9,222	21%	3%	70	4,166	10%	1%
21	8,326	24%	3%	71	3,923	12%	2%
22	7,400	24%	3%	72	4,055	11%	1%
23	6,623	26%	4%	73	3,723	13%	2%
24	6,281	25%	3%	74	3,690	14%	1%
25	6,432	21%	3%	75	3,569	12%	1%
26	6,221	23%	3%	76	3,384	16%	2%
27	6,533	20%	3%	77	3,206	17%	2%
28	7,190	17%	3%	78	2,944	17%	1%
29	7,806	17%	3%	79	2,827	19%	1%
30	8,155	16%	3%	80	2,580	21%	2%
31	7,763	17%	3%	81	2,322	24%	2%
32	7,683	17%	3%	82	2,278	20%	2%
33	8,148	15%	3%	83	1,963	25%	2%
34	8,636	15%	3%	84	1,758	26%	2%
35	9,332	14%	3%	85	1,600	25%	2%
36	9,677	15%	3%	86	1,412	27%	2%
37	9,784	14%	3%	87	1,301	28%	3%
38	10,098	14%	3%	88	1,091	27%	1%
39	10,485	13%	3%	89	955	28%	2%
40	10,558	13%	3%	90	788	28%	1%
41	10,425	13%	3%	91	695	29%	2%
42	10,665	13%	3%	92	582	25%	2%
43	10,534	12%	3%	93	399	32%	1%
44	10,331	12%	3%	94	340	29%	2%
45	10,582	11%	3%	95	273	23%	1%
46	10,080	11%	3%	96	171	28%	2%
47	10,044	10%	2%	97	141	31%	1%
48	9,856	10%	2%	98	89	19%	0%
49	9,545	10%	3%	99	59	31%	2%

AHS "Direct Service" counts include all Vermont residents served by PATH Reach Up, Dept of Health's Healthy Baby Program, 1 to 5 Program, Refugee Program, Children with Special Health Needs, and Ladies First Program, Department of Corrections, DDMHS, Department of Aging and Disabilities, Social and Rehabilitation Services (excluding Child Care Services), and Alcohol and Drug Abuse Programs. Population figures are based on the U.S. Census.